

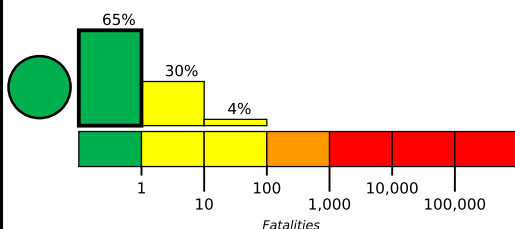
## M 4.1, 1km S of El Negro, Puerto Rico

Origin Time: 2019-05-02 01:10:26 UTC (Wed 21:10:26 local)

Location: 17.9946° N 65.8256° W Depth: 13.0 km

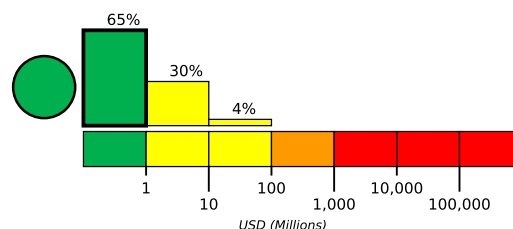
Created: 1 hour, 33 minutes after earthquake

### Estimated Fatalities



Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

### Estimated Economic Losses

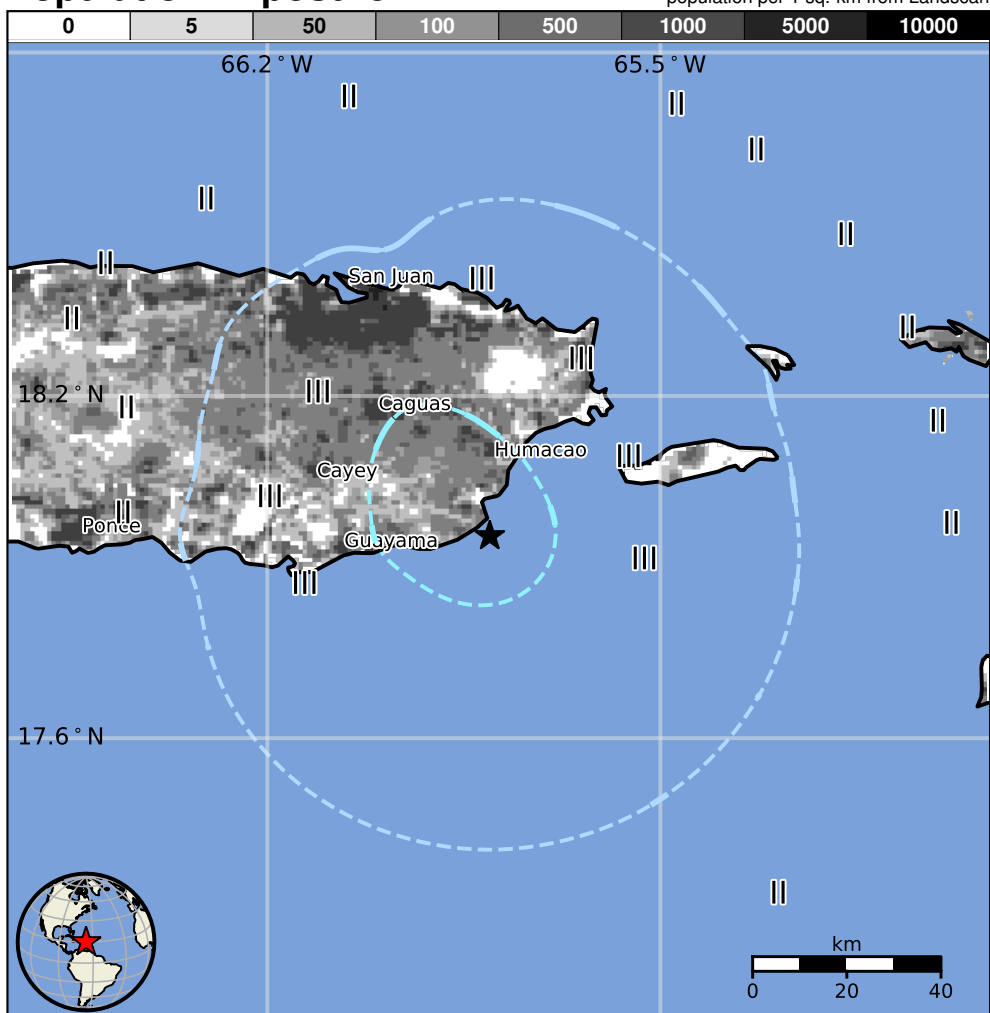


## Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		5k*	2,549k	334k	0	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

## Population Exposure



## Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are rubble/field stone masonry and unknown/miscellaneous types construction.

## Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1979-03-23	343	6.6	VI(605k)	0
1985-03-16	375	6.4	VII(6k)	0
1984-06-24	374	6.7	VII(326k)	5

## Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Yabucoa	7k
IV	Martorell	3k
IV	Maunabo	2k
IV	Rosa Sanchez	1k
IV	Comunas	2k
IV	El Negro	2k
III	<b>Caguas</b>	<b>87k</b>
III	Carolina	170k
III	Bayamon	203k
III	<b>San Juan</b>	<b>418k</b>
II	<b>Ponce</b>	<b>153k</b>

PAGER content is automatically generated, and only considers losses due to structural damage.

Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/pr2019122000#pager>

bold cities appear on map.

(k = x1000)

Event ID: pr2019122000